

RAW SEQUENCE LISTING

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Application Serial Number: 09/910, 483 A
Source: IFW16
Date Processed by STIC: 09/19/2005

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IFW16

RAW SEQUENCE LISTING

DATE: 09/19/2005

PATENT APPLICATION: US/09/910,483A

TIME: 10:06:35

Input Set : A:\USSN 09910483 seq listing edit 9-12-05.txt

Output Set: N:\CRF4\09192005\I910483A.raw

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3 <110> APPLICANT: FANG, FANG
4   KOHLSTAEDT, LORI
5   RENO, JOHN
7 <120> TITLE OF INVENTION: HUMANIZED ANTIBODIES
9 <130> FILE REFERENCE: 014357/027 8772
11 <140> CURRENT APPLICATION NUMBER: 09/910,483A
12 <141> CURRENT FILING DATE: 2001-07-19
14 <160> NUMBER OF SEQ ID NOS: 96
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 116
20 <212> TYPE: PRT
21 <213> ORGANISM: Artificial Sequence
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24 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain
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27 <400> SEQUENCE: 1
28 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
29   1           5           10           15
31 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys Asp Thr
32           20           25           30
34 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35           35           40           45
37 Ala Arg Ile Asp Pro Ala Asn Asp Asn Thr Ile Tyr Ala Asp Ser Val
38           50           55           60
40 Lys Gly Arg Phe Thr Ile Ser Ser Asp Asp Ser Lys Asn Thr Ala Tyr
41   65           70           75           80
43 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
44           85           90           95
46 Thr Asp Ser Gly Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val
47           100          105          110
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50           115
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54 <211> LENGTH: 348
55 <212> TYPE: DNA
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59 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH nucleotide
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62 <400> SEQUENCE: 2
63 gaagttcaac ttgttgagtc tgggtggcggt ctggttcagc cgggtggctc tctgcgcctg 60
64 tcttgccgag caagcggttt caacattaag gacacctaca tccattgggt gaggcaagct 120

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65 cccgggtaagg gtctggagtg ggtggcacgt atcgaccccg caaacgacaa caccatttac 180
66 gctgacagcg tgaagggccg ttttactatt tctagcgacg actctaagaa caccgcgtac 240
67 cttcagatga actctctgcg tgccgaggac accgccgtct actactgcac ggactctggc 300
68 tactggtttg cctactgggg ccagggcacg cttgtcacccg tctcttct 348
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72 <211> LENGTH: 108
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76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL Domain
78 peptide of Hum A
80 <400> SEQUENCE: 3
81 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
82 1 5 10 15
84 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn
85 20 25 30
87 Leu His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
88 35 40 45
90 Tyr His Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
91 50 55 60
93 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
94 65 70 75 80
96 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asn Ser Trp Pro Tyr
97 85 90 95
99 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
100 100 105
103 <210> SEQ ID NO: 4
104 <211> LENGTH: 324
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL nucleotide
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112 <400> SEQUENCE: 4
113 gatatccaga tgaccaatc tccgtctagc ctgagcgcca gtgttggtga tcgagttacc 60
114 attacttgcc gcgccagcca atctatcagt aataatcttc actggatatca aaaaaaacccg 120
115 ggtaaagctc cgaaacttct tatctatcac gcctctcaga gcattagcgg cgttccgagc 180
116 cgcttctctg gctctggctc gggcacggac tttaccctta ccatcagctc tcttcagccg 240
117 gaagactttg ccacctatta ttgtcagcag tctaatagct ggccgtatac cttcgggtcaa 300
118 ggtaccaagg tcgagattaa gcgc 324
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123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain
128 peptide of Hum B
130 <400> SEQUENCE: 5
131 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

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132      1              5              10              15
134 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys Asp Thr
135              20              25              30
137 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
138              35              40              45
140 Ala Arg Ile Asp Pro Ala Asn Asp Asn Thr Ile Tyr Ala Asp Ser Val
141              50              55              60
143 Lys Gly Arg Phe Thr Ile Ser Ser Asp Asp Ser Lys Asn Thr Ala Tyr
144      65              70              75              80
146 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
147              85              90              95
149 Thr Ala Ser Gly Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val
150              100             105             110
152 Thr Val Ser Ser
153              115
156 <210> SEQ ID NO: 6
157 <211> LENGTH: 348
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH nucleotide
163      sequence of Hum B
165 <400> SEQUENCE: 6
166 gaagttcaac ttgttgagtc tgggtggcggg ctggttcagc cgggtggctc tctgcgcctg 60
167 tcttgccgag caagcgggtt caacattaag gacacctaca tccattgggt gaggcaagct 120
168 cgggtaagg gtctggagtg ggtggcacgt atcgaccggg caaacgacaa caccatttac 180
169 gctgacagcg tgaagggccg ttttactatt tctagcgacg actctaagaa caccgcgtac 240
170 cttcagatga actctctgcg tgccgaggac accgccgtct actactgcac ggcctctggc 300
171 tactggtttg cctactgggg ccagggcacg cttgtcacgg tctcttct 348
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175 <211> LENGTH: 108
176 <212> TYPE: PRT
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL Domain
181      peptide of Hum B
183 <400> SEQUENCE: 7
184 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
185      1              5              10              15
187 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn
188              20              25              30
190 Leu His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
191              35              40              45
193 Tyr His Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
194              50              55              60
196 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
197      65              70              75              80
199 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asn Ser Trp Pro Tyr
200              85              90              95

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203          100          105
206 <210> SEQ ID NO: 8
207 <211> LENGTH: 324
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL nucleotide
213     sequence of Hum B
215 <400> SEQUENCE: 8
216 gatatccaga tgacccaatc tccgtctagc ctgagcgcca gtggttggtga tcgagttacc 60
217 attacttgcc gcgccagcca atctatcagt aataatcttc actggtatca acaaaaaccg 120
218 ggtaaagctc cgaaacttct tatctatcac gcctctcaga gcattagcgg cgttccgagc 180
219 cgcttctctg gctctggctc gggcacggac tttaccotta ccatcagctc tcttcagccg 240
220 gaagactttg ccacctatta ttgtcagcag tctaatagct ggccgtatac cttcgggtcaa 300
221 ggtaccaagg tcgagattaa gcgc                                     324
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227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain
231     peptide of Hum C
233 <400> SEQUENCE: 9
234 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
235  1          5          10          15
237 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys Asp Thr
238          20          25          30
240 Tyr Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
241          35          40          45
243 Ala Arg Ile Asp Pro Ala Asn Asp Asn Thr Ile Tyr Ala Asp Ser Val
244          50          55          60
246 Lys Gly Arg Phe Thr Ile Ser Gly Asp Asp Ser Lys Asn Thr Ala Tyr
247  65          70          75          80
249 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
250          85          90          95
252 Thr Thr Ser Gly Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr Leu Val
253          100          105          110
255 Thr Val Ser Ser
256          115
259 <210> SEQ ID NO: 10
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261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
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265 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH nucleotide
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268 <400> SEQUENCE: 10
269 gaagttcaac ttgttgagtc tgggtggcggc ctggttcagc cgggtggctc tctgcgcctg 60

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270 tcttgccgag caagcgggtt caacattaag gacacctaca tccattgggt gaggcaagct 120
271 ccgggtaagg gtctggagtg ggtggcacgt atcgaccggg caaacgacaa caccatttac 180
272 gctgacagcg tgaagggccg ttttactatt tctggcgacg actctaagaa caccgcgtac 240
273 cttcagatga actctctgcg tgccgaggac accgccgtct actactgcac gacctctggc 300
274 tactggtttg cctactgggg ccagggcacg cttgtcacg tctcttct 348
277 <210> SEQ ID NO: 11
278 <211> LENGTH: 108
279 <212> TYPE: PRT
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL Domain
284 peptide of Hum C
286 <400> SEQUENCE: 11
287 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
288 1 5 10 15
290 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Asn Asn
291 20 25 30
293 Leu His Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
294 35 40 45
296 Tyr His Ala Ser Gln Ser Ile Ser Gly Val Pro Ser Arg Phe Ser Gly
297 50 55 60
299 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
300 65 70 75 80
302 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Asn Ser Trp Pro Tyr
303 85 90 95
305 Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
306 100 105
309 <210> SEQ ID NO: 12
310 <211> LENGTH: 324
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VL nucleotide
316 sequence of Hum C
318 <400> SEQUENCE: 12
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320 attacttgcc gcgccagcca atctatcagt aataatcttc actggtatca acaaaaaccg 120
321 ggtaaagctc cgaaacttct tatctatcac gcctctcaga gcattagcgg cgttccgagc 180
322 cgcttctctg gctctggctc gggcacggac tttaccctta ccatcagctc tcttcagccg 240
323 gaagactttg ccacctatta ttgtcagcag tctaatagct ggccgtatac ctccggtcaa 300
324 ggtaccaagg tcgagattaa gcgc 324
327 <210> SEQ ID NO: 13
328 <211> LENGTH: 116
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic VH Domain
334 peptide of Hum D
336 <400> SEQUENCE: 13

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VERIFICATION SUMMARY

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